



**MODERN SCIENCE  
NOAH'S ARK  
AND THE  
DELUGE**



By  
**HARRY RIMMER**  
*President of the*  
**RESEARCH SCIENCE BUREAU, Incorporated**



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## SCIENCE AND THE ARK

### CHAPTER I

Perhaps I should call this chapter "IGNORANCE and the Ark." Like all other so-called "Scientific" objections to the truth of God's word, objections that cluster about the Ark arise from ignorance. The blatant ass who challenges the inspiration and truth of the Bible succeeds magnificently in this particular: HE ADVERTISES A BOUNDLESS AND ABOUNDING PERSONAL IGNORANCE. Objections made to the story of Noah's ark are never made from the standpoint of knowledge, but from ignorance.

I remember hearing my mother tell many times of a famous infidel who lived in the town where I grew up. It was his constant boast that he was too "educated" to believe the Bible, and after thorough study, he rejected it entirely. One night he hung himself, as calves do when they have plenty of rope. Turning to the teacher who had for an hour confounded him in every point, the exasperated Infidel asked: "Do you believe the story of the ark Noah built?" The teacher replied, "Certainly I do." A foxy gleam lit the eye of the Infidel.

"Tell me," he said, "How big was the ark?"

"Three hundred cubits long, fifty wide, and thirty high."

"It must have weighed several tons?" the questioner continued.

"Certainly," said the Defender of the Faith, "Several hundred tons."

"Then," cried the Infidel in unholy, gleeful triumph, "If the Bible is true, as you claim it is, HOW COULD THOSE TWO PRIESTS IN EXODUS PICK UP THE ARK AND CARRY IT?"

I think this is a typical attitude. The critic who wisely discourses on the SCIENTIFIC impossibility of the story of the ark hardly knows there was an Ark of the Covenant. No believer ever need fear what Science may say about the ark of Noah, for SCIENCE HAS SAID ALL IT CAN SAY HERE, AND HER STATEMENTS SUBSTANTIATE THE ACCOUNT OF THE ARK OF NOAH AS RECORDED IN THE BOOK OF GENESIS.

In certain unlearned circles, it is considered quite witty to poke fun at Mr. Noah's Houseboat. Even the brilliant Mr. Brisbane, writing his column for the newspaper syndicate that broadcasts his thots widely, has a try at the game. Speaking of the giant reptiles called Dinosaurs, which roamed the earth ages ago, Mr. Brisbane says they were ninety feet long and weighed a hundred tons. (This is no doubt true.) Mr. Brisbane's comment is that NOAH MUST HAVE BEEN CROWDED IN THE ARK WITH TWO OF THESE. His honesty of intent is evidenced, when he later says THEY ROAMED THE EARTH FIFTY OR A HUNDRED MILLION YEARS AGO. Does Mr. Brisbane honestly believe it is fifty million years since Noah built the ark? Of course not; he knows these animals were all extinct ages before Noah lived, but any slim chance to poke fun at God's Book must not be missed.

The story of the ark has frequently been picked out as a weak point in the Bible's claims for full and ab-

solute inspiration. However, the critics and Satanically hopeful may as well give up hope, there are no weak points in the Book. Every point that is or has ever been under fire has emerged from the crucible secure for all time. Especially is this so when the point in question has been a scientific one. Some time ago I was delivering a series of addresses in a small town in Texas, and I came into violent contact with a local infidel and agnostic who had widely read certain types of pseudoscience. Vain speculation and impossible wild guesses all went down his craw without effort, and he was somewhat feared locally because of his smattering of scientific lingo. We locked horns many times, until finally he said, "I don't want to talk to you any more, you talk to me as though I were an ignorant fool!" I replied, "That is the finest case of self analysis I ever saw!" He was angry for awhile, but came back to see "wherein" and "whyfor." He challenged the truth of the history of the flood.

"Now take that ridiculous story of the ark," he began, "You certainly can't claim that is scientifically possible?"

"Certainly it is," I replied, "what is wrong with it scientifically?"

"Well," he said, "The ark couldn't hold two of every kind of animal."

I asked, "How many kinds of animals were there?"

**HE DIDN'T KNOW!**

I said, "How big was the ark?"

**HE DIDN'T KNOW!**

I called his attention to what a noble, intellectual argument he presented against the ark. He DIDN'T KNOW HOW BIG THE ARK WAS, HE DIDN'T KNOW HOW MANY ANIMALS THERE WERE, BUT THE ARK COULDN'T HOLD THEM ALL!

Some time later he returned. Someone had told him there were a million species living and he thought he was armed. Loaded for bear.

It makes me chuckle yet at the memory of his eagerness.

Stating his new knowledge he asked, "Could they get a million different kinds of animals in the ark."

"They wouldn't have to," I replied, "For two-thirds or three-quarters of that number live in water, and a flood wouldn't hurt them!"

He was so disappointed he almost evoked my sympathy. Then he rallied and said, "But two elephants would take a lot of room."

I said, "Yes, but you could park a lot of insects on two elephants and put five thousand species of the flea variety on the other animals and take up no room at all."

THUS IGNORANCE SEEKS TO ASSAIL THE WORD OF GOD, AND IS ALWAYS FRUSTRATED. I want to deal seriously now with objections to the story of the Ark as they have been given to me many times by students and others and clear up several points. The first one is.

### THE SIZE OF THE ARK

The exact size of the ark will probably never be

known. Scholarship, knowledge, and the science of Archaeology have all contributed their quota, but we still do not know very much about the exact capacity of this marvelous craft. The text simply says, "And this is how thou shalt make it: the length of the ark three hundred cubits, the breadth of it fifty cubits, and the height of it thirty cubits." At first sight that seems simple enough and specific enough, but now we face the question,

### "HOW LONG, OR HOW MUCH, IS A CUBIT?"

This, I am afraid, is a question no one can answer. There are a number of opinions. The Hebrews used as a basis of measurement, a simple anatomical system. These Hebrew measurements were part of the body, and it is generally supposed that the "cubit" was the length of a man's fore-arm from the inside of the elbow to the tip of the fingers. This, of course, would differ in different men, so later a definite standard was adopted by the Jews and neighboring races. The "cubit" of Noah, however, was many, many years before there were Jews and neighboring peoples, so we are not helped much here.

There is also another possibility. The Scripture speaks of "the cubit of a man." Does that mean the cubit here is the length of a man? The language is ambiguous and may be interpreted either way. If the length of the ark was three hundred times the length of a man's forearm, we have one set of factors by which to calculate. If the man in question was taller or shorter than average, we have another set of factors. If the cubit here meant is the entire height of

a man, we have another set to go by. If it was a man's height, how tall was the man?

IT IS A DANGEROUS PROCEEDING TO MAKE AN ARGUMENT FROM IGNORANCE. HOW UTTERLY SENSELESS FOR THE CRITICS TO SAY, "WE DO NOT AND CANNOT KNOW THE EXACT SIZE OF THE ARK, BUT WE DO KNOW IT COULD NOT HOLD TWO OF EVERY KIND OF ANIMAL THEN LIVING!"

The ark was a ship of gigantic size. To be conservative, we will take as a standard cubit, the opinion of the famous scientist and Archaeologist, William Mathew Petrie. He, being one of the foremost Egyptologists that ever lived, is entitled to speak with some authority, and he says the standard cubit is twenty-two and a half inches. According to this basis the ark was a tremendous and commodious boat. Five hundred and sixty-two feet and six inches long; ninety-three feet and six inches wide, fifty-six feet and three inches high. Built with a flat bottom, square on both ends and straight up the sides there was no waste space in bow or stern, and it had the tremendous carrying capacity of three million, seven hundred fifty thousand CUBIC feet! (3,750,000 cu. ft.) This is a tremendous cargo capacity. To put it in modern terms, it would take a train of freight cars thirteen and one-half miles long to carry this much freight, or provide this amount of cubic space.

That these dimensions and the size are not out of reason we see from two separate lines of evidence. First, the ancient stories of the ark make it much larger than this. It is inevitable that Archaeology should uncover traditional accounts of the deluge and the ark

from the monuments and tablets of lost civilizations, for these ancient civilizations were founded of course by descendants of Noah. When people have a common origin it is always shown in their common traditions, and as Noah and his sons were the only men saved alive from or thru the flood, they must have peopled the entire earth with their progeny.

Indeed, there could have been no other way. That these common legends all point to a common origin none can gainsay. Some of them are weird and distorted by tradition, but they all testify to two truths: THERE WAS A DELUGE and THERE WAS AN ARK.

THE BABYLONIAN ACCOUNT of the ark is fantastic. The ancient clay tablets of Babylon describe the ark as six stories high, with a mast on top. It had a rudder to steer with, and the whole was crowned by a superstructure, or dwelling. In addition to the presence of the builder and his wife, there was also a pilot who sailed with them. The structure was perfectly cubical, being 140 cubits each way. It was constructed in six stories, each having nine compartments. The clay tablets containing this account of the ark were dug up by George Smith in 1870, and were dated from the year 3,000 B. C. They are undoubtedly genuine.

THE GREEK HISTORIAN Berosus also gives a fantastic and exaggerated account of the ark. He describes it as three thousand feet long, and twelve thousand feet wide. He does not give its height.

THE MOST FANTASTIC account of the ark is the description of Origin, who has an extended controversy with a contemporary, whom he tries to silence by claiming the ark was twenty-five miles long and three-quarters of a mile wide!

Many other tales and accounts could be introduced if we had unlimited time and space, but these must suffice to show the universal BELIEF in the ark and its gigantic size. How simple and worthy of credence the language of the Bible seems as we wade thru all this ancient tradition dealing with the same subjects and facts. How our faith in the Book swells as we see the difference between an account that is dictated by God and a story man writes to suit his own fancy.

THE ARK WAS THE LARGEST VESSEL that ever floated prior to the giant liners of the nineteenth and twentieth centuries. Because of its square construction it would carry a third more cargo than any modern vessel its own size, and when modern engine rooms, crew's quarters, control stations, life boats and safety belts, cabins, gymnasii, knife edged bows and rounded sterns are all deducted, an ark of the size set forth (562 ft. by 93 ft. by 56 ft.) would carry a much larger load than any ship sailing the seas today.

A parallel line of interesting research is found in a study of

### THE NUMBER OF ANIMALS THE ARK CARRIED

This exact number can probably never be determined by science. There may have been more "kinds" living then, certainly there could not have been less than are extant now. Birds, Cattle, Creeping things; are the only orders mentioned, the others are all grouped under the head "of every living thing of all flesh." Of the animals classified as "clean" there were to be fourteen, seven male and seven female; of the other or "unclean," animals there were to be two. A male and a female of each.

Noah was not under the necessity of finding room in his ark for every variety and specimen of animal and bird alive today. As soon as we see this the problem of the ark is simplified tremendously. The specific command is "OF EACH KIND!"

A KIND IS A SPECIES, AND MAY BE GENERALLY DESCRIBED AS THOSE THAT CAN CROSS BREED WITH FERTILITY. Between any two "kinds" there is a line of demarkation closely drawn, and none may cross that line. The living things that can crossbreed or hybridize with fertility, are all related to that genus or "kind" and undoubtedly arose from the same parent ancestral stalk. The myriad VARIETIES of each kind we see about us today have come by the process of mutation. "WHAT!" you say, "IS NOT THIS EVOLUTION?" No, this is not evolution. EVOLUTION IS TRANSMUTATION; and as long as the mutant, or varient, or variety under discussion does not cross that line of demarkation and BECOME SOME OTHER KIND it is just development and growth.

A typical case in point may be the bees. There are many, many different varieties of bees. But Noah would have to take only a fertile Queen in the ark, for her progeny could in turn give rise to all the other varieties. This statement has been objected to on the ground that the queen bee does not care for or raise her own brood but this work is done by the "workers" of the hive. This is unquestionably the present condition; but how did the first pair of bees raise their young?

If we admit that the bees were created like all other creatures, there was a male and a queen and from

them came all the bees. If you insist that the bees evolved out of some other lower insect, then the problem remains the same; there was a first TRUE BEE, and it had to perpetuate its kind.

There is a species of ant known at the Atta, of whom Beebe has written so engagingly in his book, "The Edge of the Jungle." These ants have a queen, who lays the eggs from which the workers hatch and rear the young. But when starting a new colony, the queen begins all by herself, laying the eggs and rearing the young unaided, until she has enough workers reared to take over the task, after which she degenerates to a mere egg-laying machine. It is evident that the first bees must have had some such method of procedure as this.

Another case may be the dogs. If Noah took the original strain in the ark, a male and a female, they would give rise to the other varieties of dogs.

In ■ forthcoming book soon to appear I shall show at length and in detail HOW varieties arise: it is sufficient now that all the present varieties of man and each other kind could have and undoubtedly did arise from one original pair of each kind. So in the case of Noah, he need not crowd his ark with a pair of every known variety, but just two of the pure strain of each species.

True species are few. Varieties are many. But even of the true species there are some that would not have to enter the ark. I see no reason why the ducks could not survive out in the rain, unless certain geological cataclysms that probably attended the Deluge would make it impossible. Certainly the rain would not drive them in. The alligators and crocodiles can live in salt

water or fresh, or they prefer a mixture of both. They prefer their diet well ripened, so they would fare well outside the ark. The fish would be safe outside, and the barnacles could find a home on the bottom of the ark! In other words, a little analysis of the text shows that Ignorance loses its battle against Revelation here, for as always Reason is the champion of the latter.

IF HALF THE SPACE OF THE ARK HAD BEEN FILLED WITH FOOD, AND FOURTEEN INDIVIDUALS OF EVERY TRUE SPECIES NOW INHABITING THAT PART OF THE WORLD WERE STORED IN THE OTHER HALF OF THE ARK, THERE WOULD HAVE BEEN AN AVERAGE OF 175 CUBIC FEET OF SPACE FOR EVERY INDIVIDUAL! This would have been more than ample, as a 200 pound man requires only 15 cubic feet.

The problem is further simplified when we consider that Noah did not have to provide space for animals not indigenous or native to the "World" he and the rest of the human race occupied. In the next chapter I will set forth the evidence that seems to show that the Flood, coming as a Judgment on Man for his sin, was limited to the world of man. Since the dispersion did not take place until a long time after the Flood, the civilization that perished was probably a local one. But as the only men alive were restricted to that locality, in the sense here intended, their habitation was "The World." So Noah would have to provide room in the ark for ONLY those animals which lived there in the flooded locality. Who can say how many true species there were? The only comprehensive natural history survey of the land in which Noah lived was made by Dr. Howard Osgood. He found that there were just

757 varieties of mammals and birds between the size of a mouse and a sheep, and 290 varieties between the size of a sheep and a camel. There are no animals larger than a camel extant in that land today.

## FOOD THEY HAD IN PLENTY

It is evident they would have no meat diet, as in Genesis the diet of all is given as the same: a vegetarian fare exclusively. See Genesis 1:29. 30:—

“And God said, Behold, I have given you every herb yielding seed, which is upon the face of all the earth, and every tree, in which is the fruit of tree yielding seed; to you it shall be for food: and to every beast of the earth and to every bird of **the heavens, and to everything** that creepeth upon the earth, wherein there is life, I have given every green herb for food; and it was so.”

AFTER THE FLOOD this law was changed and flesh was eaten but up to the time of the flood this law was not violated as far as we can find out. In another publication\* we have seen that there was a physical and scientific reason for the change to meat, but Noah's problem in provisioning the ark was a simple one. That he had plenty of food we can readily see, when we remember that **HE HAD A HUNDRED AND TWENTY YEARS TO MAKE HAY!**

A very wise and learned lady said to me:

“TELL YOUR READERS HOW THE ARK WAS VENTILATED!”

“I have always worried about that! There were all

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\*See: “The Canopied Earth,” by Kellogg.

those animals and men, and only one little window way up in the room. How did they breathe?" Skepticism has often used this apparent weakness in the structure of the ark to point the finger of derision and raise the cry of improbability whenever the ark was mentioned. In a recent debate with Dr. Cantrell on the "Scientific Infallibility of Genesis," he ignorantly stated, "The Ark was hermetically sealed!" The text does not so state. Note the language of the text and you will see two lines of that worthy of deep analysis. Of course, the exact method of ventilation is not mentioned in detail. This is a history of tremendous events and as such does not deal with small details. Histories of great battles do not bother themselves with the fit of the soldiers' clothes, whether their shoes fastened with laces or buttons, and such variety of minor details. The main facts are given. So here.

We have the dimensions of the ark, and the shape. A word about these later on. Let us now look at the simple details of the actual construction. It contains this direction: "A window shall thou make in the ark, and to a cubit shall thou finish it upward." (Or, up to a cubit shall thou finish it) **FINISH WHAT?** The window of the ark? If the window is to be finished up to a cubit, that probably means it ran the length of the ark to within a cubit of the end. That would be quite some ventilation! But I believe the words "finish it" refers to the ark itself. Let us so apply them and see what we get. If the walls of the ark are finished "up to a cubit" that will leave an open ventilator all the way around the ark twenty-two and a half inches wide! In either case we have an open ventilator providing 2,460 square feet of air space, which is certainly ample. The over-hanging eaves would keep the dripping rain out. There is no wind mentioned until the rain stopped,

so no rain would drive in. That would be more than sufficient for comfort, and plenty for sanitation. Do not think that the modern sanitary engineer could add to the structure of the ark, for while the builder was Noah, the Architect and Designer was God.

## THE SCIENTIFIC ACCURACY OF THE ARK

is finally attested by its modern dimensions. The ancients did not so build ships. The ark was exactly six times as long as it was wide. Upon these identical proportions do we build our great vessels today. The most modern vessel that ever crossed my vision was the matchless pride of the American Navy, the U. S. S. "NEW MEXICO." Many, many times I have been on her decks, in her ward room and gun turrets, and she seems to me to be the peer of anything afloat. AND SHE IS BUILT UPON THE SCIENTIFIC DIMENSIONS OF NOAH'S ARK!

Look up to the floating palaces that swim the waters today; they are all on this pattern. Six times as long as they are wide.

The ancients did not follow this plan. Their rule seemed to be their fancy! The ancient Phoenicians were the parents of navigation and shipcraft, and as far as they left records they built a boat about twice as long as its width.

When Rome entered the First Punic Wars she had a fleet of three hundred and thirty vessels, Biremes, Triremes and Quadriremes. These were built on a plan that varied from a length of a hundred and ten feet with a width of eleven feet, to a maximum of one

hundred thirty feet long by twelve feet wide or a general plan of ten times the width for the length. None of the ancients seem to have struck the proportions of the ark: MODERN SCIENCE FIGURED THEM OUT AND GOD REVEALED THEM ALL TO NOAH.

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## SCIENCE AND THE DELUGE

### CHAPTER II.

No modern railroad system would consider itself in operating condition without a full and efficient system of mechanical signals. As you speed along the right of way on any modern railroad at night, the brilliant lights flash like scintillating jewels in rapid sweeps of color, telling the story of safety or danger. Green for promises of peace and red for death and danger; the signals are there to be observed and obeyed! I believe the Omnipotent Godhead has a signal system in this world in which we live. Credit Him with at least as much intelligence as a railroad Superintendent, and you must see that He does not expect His people to rush headlong thru the night that leads to eternal day, without signals by the right of way. There are three signals we do well to heed. The first is

### EARTHQUAKE

No human power can control or bring about earthquakes. I was recently in Santa Barbara, and saw the wreck of some of the finest dwelling places and business buildings the ingenuity of man can devise. In a few seconds, while the hearts of sleepy folks stood still

with terror, while no human hand could possibly aid them, the great concrete structures crashed and shattered to ruins in the street below. Men and women grabbed their babies and fled blindly for shelter—they knew not where. No HUMAN power can stay an earthquake. It is a red light from God flashing in urgent warning. I believe it is a solemn admonition from the Diety who rules this world; and when moral collapse threatens this physical warning is given.

## FAMINE

is another specter that stalks the footsteps of man, which no human power can control. Diversified farming, rotation of crops, animal husbandry, scientific distribution of harvests; all must fail without the Providence of God. A man may plant—the result is largely out of his hands. If God withholds the rain, the seeds will not grow. If He sends too much rain, the seeds will rot. There is no clearer evidence of man's dependence on his Maker than this; he feeds from His hand.

If all the crops of all the world were gathered in one central storehouse, and the whole human race was put upon starvation rations—just enough to keep them alive—every edible thing would be consumed in eighteen months. If in that time God withheld the rain and obscured the sun or flooded all the fields, life would perish from the face of the earth. We talk about men being "far away from God!" The whole world must stay close to Him and the farthest we can get away is a year and a half.

Famine is a danger signal from God. When moral collapse threatens in the Spiritual world this red light

of death and danger flashes to bring men back to a sense of obligation to God.

## FLOOD

is the third. Like earthquake and famine, a flood comes from circumstances beyond the control of man. Dams may be built to hold back the waters, but dams break; and the most disastrous flood I ever saw was when a dam that men called perfect broke with the sudden strain of waters from a cloudburst. Many lives were lost, homes were destroyed, ranches literally swept away and live stock drowned. Floods are warnings from God: **AND I BELIEVE THAT WHEN DANGER THREATENS IN THE MORAL WORLD GOD HIMSELF FLASHES THESE RED LIGHTS OF WARNING IN THE PHYSICAL WORLD: FOR THE PHYSICAL VOICE IS THE ONLY VOICE THE WORLD OF MEN WILL HEAR!**

The Bible repeatedly states that earthquake, famine and flood are acts of God, and the insurance companies of the twentieth century recognize them as such. Some times they are punitive and sometimes admonitory, but they are beyond the control of man.

## THE DELUGE OF NOAH

is a case in point. This was the most disastrous catastrophe that ever struck the world in which we live, and it came because "God looked and saw that every imagination of the heart of man was evil in His sight continuously!" The Ante-Deluvian world civilization was wiped out, because it refused to hear the voice of God. God spoke His warning to them thru the prophet Noah for a hundred and twenty years, but the sin

and self-confidence of the people was so deeply rooted they laughed at both God and the prophet. The result was death and destruction.

But some will say: "The flood of Noah's time was merely traditional, and you can't build a case on tradition." Indeed, I had a young student in a mid-Western college tell me the entire book of Genesis was pure tradition and Hebrew folk-lore, and there never was a flood! (It took him four years of study to learn that: it took four minutes to so tangle him up in the fallacy of his foolish arguments he abandoned the four years' position!) I have had other wise folks tell me the same thing in many places: BUT THEY COULD NEVER PROVE THEIR CASE. The Flood of the day of Noah is not tradition, it is fact. It stands today scientifically attested!

I will state the case briefly as I can, from the viewpoint of three recognized branches of Science. The mass of evidence is so overwhelming books can be and have been written on the subject, so I will just give a condensed account from these three sciences. First,

## THE DELUGE IN THE SCIENCE OF ETHNOLOGY

This is the science of Mankind as he is divided into races, with his customs and racial origins, and the peculiarities that distinguish one race from another. Ethnology has to do with living peoples. The Ethnologist studies the customs and traditions of all present races, and he finds that every one has an account of the Flood. If the Biblical account is true, this fact can be easily accounted for, as all living races came by lineal descent from the sons of Noah who were saved with him in the

Ark, and they handed the same story down to their descendants in all its essential details. Some of these races have progressed and developed since the sons of Noah gave them birth, and others have degenerated; but they all retain their accounts of the Flood.

THE AMERICAN INDIANS are very evidently of Mongolian or Asiatic origin, and they have traditions of the flood and its destruction of all life except a remnant; which Indian tradition bears a close resemblance to the Chinese. The only Indian legend I am personally acquainted with is the Modoc legend, but their story is of a man who floated his family on a raft of logs, while he picked up swimming animals of different kinds until he had two of each. He landed after many days of adventure on a high mountain, and from him the world was re-populated. I have heard other legends, however, from those who have worked with other tribes, and with some minor changes the story is essentially the same.

THE POLYNESIAN RECORD closely parallels the Biblical account. While I was in the Islands last summer, I became immensely interested in the folk-lore and traditions of the natives, and I was most fortunate in acquiring the "Fornander Collection of Hawaiian Antiques and Folk-Lore," published by the Bishop Museum. In Volume Six—No. 2, Third Series, Part 2, there is the ancient Polynesian account of the flood.

The hero of the account is one Nuū, (pronounced noo-oo, a close approach to No-ah). In obedience to the commands of the god Kane, Nuū built a large vessel with a house on it, and it was called "Waa Halau." In this craft, accompanied by his wife Lili-Noe, he rode out the deluge in safety. When the flood subsided, the three gods, Kane, Ku, and Lono entered this "ark" and

told Nuu to get out. He did so, and found himself on top of mount Mauna Keo on the island of Hawaii. He dwelt in a cave there, and called the cave after his wife, Lili-Noe, and the cave remains as proof, to this very day! When Nuu left the ark, he took with him a pig, cocoanuts and awa as an offering to his god, Kane. (Note that the ark must have contained animals, and he follows the action of Noah in sacrifice.) As he left the ark, he looked up and saw the moon, and thot that was Kane, so he offered his pig, cocoanuts and awa to the moon. Kane was very angry, and came down to punish him. The path he came down was a rainbow, and when Nuu explained his mistake Kane went back to heaven over his rainbow path, BUT HE LEFT THE RAINBOW AS A SIGN OF FORGIVENESS, which is another close parallel of the Genesis account. Nuu had three sons (another parallel) and as all the rest of mankind died in the flood, he became the progenitor of a new race.

THE CHINESE ACCOUNT is found in the book of Li-Ki. It has many similarities with the Genesis account, ascribing as the cause of the flood the wickedness of man who despised the councils and laws of Heaven. It gives the same causes for the flood from nature, saying the flood came when "the pillars of heaven were broken . . . the earth fell to pieces, and the waters enclosed within its bosom burst forth with violence, and overflowed." A goodly remnant were saved, and repeopled the earth.

THE DESCENT OF MANU embodies the account of the flood in India. The warning was given to Manu by a great fish who said, "A deluge will sweep all creatures away. Build a vessel and worship me, and when the waters arise enter the vessel and I will save you."

This Manu did, and when the flood began, the fish towed the vessel to the mountains of the North, where they fastened it to a tree, and as the waters descended they floated down. Since all save Manu died in the flood, he peopled the earth anew.

FROM BRITISH EAST AFRICA a friend writes me a weird account of a legend concerning the flood. From the wilds of the South American jungles I am given a tribal tradition of the deluge. In the early records of Spanish explorers in the Islands of the sea and the mainlands of new continents we read of traditions of the flood, and even from the primitive Malays the record is the same. The summary is plain:

WHENEVER WE FIND A SIMILARITY OF ACCOUNT FROM LIVING WITNESSES, WE SAY THE STORY IS TRUE AND THE FACT PROVED. All living races tell us there was a deluge; the witnesses agree: the fact stands established.

THE SCIENCE OF ARCHAEOLOGY bears the same striking testimony. As Ethnology is the science of the records and customs of living races, so Archaeology is the science of races that are dead and gone. The men who have lived and labored, and who left their works covered by the dust of ages, still speak with a clarion voice from the tongueless records of forgotten things. Many wondrous testimonies to the inspiration of the Bible have been advanced by this science of Archaeology, for every time we sink a spade into an ancient dwelling of a past age, we find new light on the customs and histories of other days. In Egypt, in ancient Briton, in Palestine, in Asia and Asia Minor, in South America and North America the Archaeologists have been gathering startling confirmation of the truth

of the Genesis account of creation and its record of man.

The first voice we hear now is the voice of Ancient Babylonia. I give this witness first because it is the most striking and complete. This record is dated from about 3000 B. C. In the previous chapter I mentioned the clay tablets discovered by George Smith in 1870. These cuneiform tablets told the story of the flood in hundreds and hundreds of words. It was an unbridged account.

The "Noah" of the Babylonian account was one Gilgamesh, who lived in a city noted for sin and violence. Warned by Istar of an approaching deluge, he followed instructions and tore down his house to build an ark. In it he took "seed of every kind of life." His ark was cube, 140 cubits each way, and had a mast and pilot-house. He finished the ark and made it watertight with pitch, or bitumen. When the gods repented of their anger, they turned the ark into the mountains of Armenia (called in Genesis "The mountains of Ararat") where the man and his wife reseeded the earth. The similarity to the Genesis account is striking.

Egyptian records also have been recovered. The ancient Egyptian account tells how a great flood wiped out all mankind except a few wandering shepherds who escaped under the protection of the gods by climbing to the high mountains of Armenia. This flood was sent by the god Ra' the creator, who was angered by the insolence of man. He repented of his deed, and swore never to destroy the race again.

The Druidic legends of ancient Briton tell of a flood which the Supreme Being sent on the earth because of the gross sin of mankind. The waves of the sea came

higher than the hills of Briton, and the rain fell from the clouds in such volume that the waters soon covered the earth. One ancient patriarch, a man of high piety, was shut up in a stout ship with a select company of worshippers, and after riding safely thru the cataclysm, these few peopled the earth with its present population.

The oldest written record of the flood is in the Sumerian legends, and as evidence of their accuracy we print this recent discovery:

### SCIENCE SUPPORTS FLOOD STORY IN BIBLE

NEW YORK, March 16, 1929.—(A.P.)—The Biblical story of the flood has the support of material evidence unearthed by science.

Returning from an archaeological expedition to Mesopotamia, Professor C. Leonard Woolley said he had found an eight-foot layer of silt and clay deposited during an overflowing of the Euphrates river and the Biblical deluge.

Professor Woolley headed an expedition of the museum of the University of Pennsylvania and the British museum which with a crew of 160 Arab workmen has been engaged for seven years in excavating the ruins of ancient Sumeria.

Penetrating through a layer of evidence indicating a highly developed civilization of about 4000 B. C., they suddenly came upon a layer of silt or sand in which all manifestations of human life ceased to exist.

Beneath this deposit were utensils in the native

fashion and expertly molded brick, indicating a high peak of cultural development.

Professor Woolley emphasized that he attempted to prove nothing by his findings.

"We are not out to prove anything or disprove anything," he said. "If we were we would be bad archaeologists. We, as scientists, use the things we dig up with any other kind of information which may be forthcoming. In this case the previous information was in Genesis and in the Sumerian and Babylonian legends.

"The eight-foot deposit of clay in three places as much as 200 yards apart can only have resulted from a flood of unexampled magnitude, and this can only be the flood of Sumerian legend and history, the flood of the book of Genesis."

Professor Woolley said his discovery would indicate that the flood was not universal, but declared "neither does the Bible story, properly understood, make any such claim."

#### **Genesis Record:**

There was a deluge.

The race of mankind was destroyed.

A remnant was saved.

These escaped by Divine aid.

A warning was given.

An ark was built.

Animal life was preserved.

The ark floated under Divine care.

The ark landed in the mountains of Arrarat.

The released remnant sacrificed.

The flood came because of sin.  
God promised not to destroy man again.  
A sign was given.  
The saved few re-peopled the earth.

**Archaeological Records state:**

There was a deluge.  
The race of mankind perished.  
A select few escaped.  
Thru the care of the gods.  
The remnant was warned.  
A boat was made.  
Animals were saved with the man.  
The boat was saved by the gods.  
The boat landed in the Armenian mountains.  
The saved few worshipped with sacrifice.  
The deluge came because of human failure.  
The gods repented and pledged peace.  
A sign was given.  
All men came from these few.

And finally both agree that the causes of the flood were rain and marine catastrophe.

As in the case of Ethnology, the witnesses all agree. When we find such parallel agreement in legends among ancient people, we decide they lived together or had a common ancestry. So in this marvelous harmony of Scripture and legend, we see not only proof of the reality and historicity of the Deluge, but we have the additional proof of COMMON ANCESTRY FOR ALL NOAH'S DESCENDANTS.

**THE THIRD SCIENCE IS GEOLOGY**

The testimony of Geology will be of great value,

for Geology is the science that deals with the physical earth. If there was a great cataclysmic deluge, the earth must bear some record of that fact; AND NEVER DOUBT BUT THAT THE EARTH DOES! THOSE WHO LAUGH AT THE GENESIS ACCOUNT OF THE FLOOD DO SO OUT OF THE DEPTHS OF PROFOUND IGNORANCE OF GEOLOGY. Many scores of students have asked me: "If the account of a flood in the Bible is history, why is there no record of it in Geology?" The answer is, there is such a record.

There is the same harmony of opinion (?) among Geologists that characterizes the other sciences; but most of them admit a world-catastrophe which was probably the deluge. One authority claims this was the cause of the Glacial age; and builds a convincing and ingenious theory on the weight of water and its effect on the climate of the earth. Several others, equally authoritative, disagree, and say the flood came as a result of the collapse of the giant ring of ice that once encircled this globe like a tremendous lense. Others claim the deluge was only local, and the merry battle goes on. BUT WHATEVER THEORY GEOLOGISTS MAY HOLD, THEY ALMOST ALL AGREE THAT THERE WAS A FLOOD.

The most remarkable and up-to-date book of Geology extant today is "The New Geology; A Text Book for Colleges," by G. McReady Price. If you haven't read this you are behind the times that much, and you ought to read it at once. This book is a masterpiece of REAL Science, and explodes in a convincing manner some of the ancient fallacies of science falsely so called. Dr. Price gives much space to the evidences from Geology and proves conclusively there was a flood.

I will not here review his arguments; get the book and read it.

There were undoubtedly two causes for the flood. The first was solar. It rained for forty days and nights. The significance of this is seen when we remember that up to that time there had been no rain upon the earth, but a mist arose and watered the land. How utterly incomprehensible must Noah's warning have sounded to the Ante-Deluvians when he said, "Flee from the Flood! The Heavens will rain water!" They never saw rain, and had absolutely no conception of it. So men today will not heed the warning of Peter when he says, "The Earth is reserved for the fire of Judgment, that will destroy all flesh!"

It never had rained. Around the globe was a protecting lense of ice that made the whole world an Eden of tropical splendor. It was a "firmament" indeed; and rain could not come thru it. The rays of the sun that cause decay were strained out, and long life was the rule. These rays also cause fermentation and Noah, who was accustomed to drink the juice of the grape in the days before the flood, was amazed when the fermented juice made him drunk! In that wondrous atmosphere life was so easily sustained men ate no meat, but a vegetable diet was the rule. Then the catastrophe came. The great ring melted and descended in a torrent of water and ice. In some sections it fell in water, and a flood was the result. In other sections it collapsed as ice, and a condition of glaciation was the result. The whole matter is set forth in these simple words; pregnant with depths of meaning:

"And the windows of Heaven were opened!"

For forty days and nights the waters fell, and this

was one cause of the flood. It rained. I saw it rain twenty-two minutes once, and hundreds of thousands of dollars damage resulted in the valleys below! Men said it was a cloudburst: in the days of Noah it rained thus for forty days and nights.

The second cause of the flood was geological. There have been many upheavals of the earth's surface and slippages of its crust: here was one of them. "The level of the land sank, the bottom of the sea was raised," "The Fountains of the great deep were broken up," and the waters prevailed on the face of the earth. The highest mountains were covered to a depth of fifteen cubits, and death was the result.

It is evident at once this upheaval, or slipping of the earth's crust was the main cause of the flood. Noah began to build his ark in the valley near the mouth of the river, and when the waters had carried it to final resting place, it was up in the Armenian mountains, in the Arrarat range. It is thus evident the drift was from the sea to the land, and this current would nominally be caused by the influx of sea water.

The common laws of nature were here bent, as always, to serve the will of God. When the waters had prevailed a hundred and fifty days, God's thot turned again to Noah, and the flood was stopped. First, a wind swept out across the waters. Thus the rate of evaporation was greatly increased, and some waters lifted. Then the "windows of heaven were stopped," which provision kept the evaporated waters from precipitating again. And finally, the fountains of the deep were stopped. That can mean only one thing, the land level was shifted again, so the sea went back to its former place, or nearly so.

CAN THIS SHIFTING OF LAND LEVELS BE SEEN IN THE SCIENCE OF GEOLOGY? Indeed it can. The unbelieving and materialistic scientist is hard pressed to understand this strange condition; there are mountains and cliffs that have been stood on their heads!! The Geologist claims that he knows the rock formations from the earliest to the latest, and classifies them ACCORDING TO AGE. The "oldest" rocks are on the bottom of course, and the "youngest" rocks are on top. So we read the geological account like a calendar. This, of course, is an entirely gratuitous arrangement and has caused a tremendous amount of confusion and trouble. What can any man know about the age of undated things he claims were made a hundred million years before there was a man to keep the record?

The confusion grows worse when we leave the text books and get out in field research for then we see that the rocks with stubborn ignorance refuse to follow the chart laid down by the World Congress of Geology! In many places rocks ONE HUNDRED MILLION YEARS OLD (?) ARE LAID DOWN ON TOP OF ROCKS ONLY ONE MILLION YEARS OLD!! And this according to the geologists' own way of reckoning. How did this happen? How could it happen? Why the only possible way was for the earth's crust to slip and turn over. In some of our California formations, notably of the Eocene period, the strata of layers of rock run straight up and down instead of across the mountain!! When did this tremendous shift take place? Dr. Price says it was at the time of the flood; and while I am not advancing that as a dogmatic statement, I am contending that the earth shows there was not only one upheaval, such as Genesis sets forth, but two at least.

## WAS THE DELUGE UNIVERSAL IN EXTENT?

My, how many scores and hundreds have asked me that question. That seems to be the big theme in the minds of the students who are confused, and are after some peg upon which to hang their faith. There is absolutely no evidence that will admit of an unqualified, dogmatic answer either way. At least the deluge was as universal as the human race. If Man was limited to the Euphrates Valley, then the purpose of the flood would be accomplished in a deluge limited to that area. The object of the flood was judgment and death on the world of mankind, and the flood was as far reaching as human habitation. No man can say what that limit was.

Philology does not help us much. A careful study of the Hebrew text does not give the basis for a positive answer. There are three Hebrew words of interest here. The first is:

### "ERETS"

|                                     |              |
|-------------------------------------|--------------|
| This word appears in the Bible..... | 2,282 times. |
| It is translated "land".....        | 1,356 times. |
| It is translated "earth".....       | 686 times.   |
| It is translated "country".....     | 140 times.   |
| It is translated "ground".....      | 96 times.    |
| It is translated "world".....       | 4 times.     |

The use of the words Country, Land and Ground are

sometimes limited in extent and local in application, as "Land of Palestine" or "Country of the Jews." The words "Earth" and "World" are usually universal in meaning. This word appears in Genesis often.

It is used of the world God created 30 times.

It is given to denote the extent of the flood 46 times.

It may be either local or universal.

The word "ADAMAH" next appears.

|                             |            |
|-----------------------------|------------|
| It occurs in the Bible..... | 223 times. |
| Translated "Earth" .....    | 53 times.  |
| Translated "Ground".....    | 43 times.  |
| Translated "Land".....      | 125 times. |
| Translated "Farmer".....    | 1 time.    |
| Translated "Country".....   | 1 time.    |

This word is used to denote the "world" the deluge destroyed nine times. It may be either local or universal.

The word "TEBEL" appears in Hebrew scripture 36 times.

It is translated "World" 35 times, habitation once. It is almost always given as "the habitable world" and is never used in the Genesis account of the flood. An argument based on the absence of evidence or the lack of a word in the text is a shaky one, so I make none here; consider the facts and make your own conclusions. It is enough to know the flood was as widespread as the race of Men. They perished, because of sin and the judgment of God.

## SUMMARY

These things stand proved:

THERE WAS A FLOOD.

A REMNANT WAS SAVED.

SCIENCE ESTABLISHES THESE FACTS.

LET US HAVE THE COURAGE TO BELIEVE THEM AND CONTEND FOR THE TRUTH.







